

IN THE CLAIMS

Claims 1-21 (Canceled).

22. (New) A handheld device for communicating an image via a communication network, the device comprising:

an imaging device for capturing an image;
processing circuitry for processing the image;
a wireless communication interface for transmitting the processed image; and
a display device for providing feedback to a user.

23. (New) The handheld communication device of claim 22 wherein the imaging device is a charge coupled device.

24. (New) The handheld communication device of claim 22 wherein the image is one of a one dimensional code and a two dimensional code.

25. (New) The handheld communication device of claim 22 wherein the image is text.

26. (New) The handheld communication device of claim 22 wherein the image is handwriting.

27. (New) The handheld communication device of claim 22 wherein the image is a picture.

28. (New) The handheld communication device of claim 22 wherein the wireless communication interface is used for communicating speech.

29. (New) The handheld communication device of claim 22 wherein the wireless communications interface is compatible with a cellular network.

30. (New) The handheld communication device of claim 22 wherein the wireless communications interface uses a spread spectrum technique.

31. (New) The handheld communication device of claim 22 wherein the communication network is a local area network.

32. (New) The handheld communication device of claim 22 wherein the communication network comprises a packet network.

33. (New) The handheld communication device of claim 22 wherein the communication network comprises a TCP/IP network.

34. (New) The handheld communication device of claim 22 wherein the processing comprises decoding the image from a first representation to a second representation.

35. (New) The handheld communication device of claim 34 wherein the second representation is a digital representation.

36. (New) The handheld communication device of claim 22 wherein the processing comprises character recognition.

37. (New) A method of operating a handheld image communication device, the method comprising:

- capturing an image;
- processing the image; and
- wirelessly transmitting the processed image via a communication network.

38. (New) The method of claim 37 wherein the capturing, the processing, and the transmitting occur within the same device.

39. (New) The method of claim 37 wherein the image is captured using a charge coupled device.

40. (New) The method of claim 37 wherein the image comprises one of a one dimensional code image and a two dimensional code image.

41. (New) The method of claim 37 wherein the processing comprises: identifying the type of information in the image.

42. (New) The method of claim 41 wherein the type of information is identified as at least one of text, handwriting, and a picture.

43. (New) The method of claim 37 wherein the processing changes a first representation into a second representation.

44. (New) The method of claim 43 wherein the second representation is a digital representation.

45. (New) The method of claim 37 wherein the communication network is a local area network.

46. (New) The method of claim 37 wherein the communication network is a cellular network.

47. (New) The method of claim 37 further comprising: wirelessly communicating speech via the communication network.

48. (New) The method of claim 37 further comprising: displaying information to a user.

49. (New) A method of operating a handheld image communication device, the method comprising:

capturing an image;
processing the image; and
wirelessly communicating the processed image and speech via a cellular communication network.

50. (New) The method of claim 49 wherein the capturing, the processing, and the communicating occur within the same device.

51. (New) The method of claim 49 wherein the image is captured using a charge coupled device.

52. (New) The method of claim 49 wherein the image comprises at least one of a two-dimensional code, text, handwriting, and a picture.

53. (New) The method of claim 49 wherein the processing changes a first representation into a second representation.

54. (New) The method of claim 53 wherein the second representation is a digital representation.

55. (New) The method of claim 49 further comprising:
displaying information to a user.